



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,254	09/24/2003	Yuji Okamoto	59880 (70904)	8151
21874 7590 12/24/2008 EDWARDS ANGELL PALMER & DODGE LLP P.O. BOX 55874 BOSTON, MA 02205				
EXAMINER DHINGRA, PAWANDEEP				
ART UNIT		PAPER NUMBER		
2625				
MAIL DATE		DELIVERY MODE		
12/24/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/671,254

Applicant(s)

OKAMOTO ET AL.

Examiner

PAWANDEEP S. DHINGRA

Art Unit

2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☐ Information Disclosure Statement(s) (PTO/SE/US)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

- This action is responsive to the following communication: Request for Continued Examination (RCE) filed on 11/10/2008.
- Claims 1-8 are now pending in the present application.

Response to arguments

Applicant's amendments, filed 11/10/2008 have been entered and fully considered. In light of the applicant's amendments and arguments, the rejection(s) have been withdrawn. However, upon further consideration, a new ground(s) of rejection(s) have been made, and applicant's arguments have been rendered moot.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/10/2008 has been entered.

Specification

Previous objections to specification are withdrawn in view of applicant's amendments to claims.

Drawings

Previous objections to drawings are withdrawn in view of applicant's amendments to claims.

Claim Rejections - 35 USC § 112

Previous 112 rejections to claims are withdrawn in view of applicant's amendments to claims.

Examiner Notes

Examiner cites particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested that, in preparing responses, the applicant fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
2. Claims 1-6 are rejected under 35 U.S.C. 103 as being unpatentable over Koakutsu et al., US 6,285,459 in view of Inoue Rieko et al. (referred as

Tokukaihei in this document), JP 09-284572 further in view of Ikegami, US 6,745,334.

Re claim 1, Koakutsu et al. discloses an image processing device (see figure 1, element 3), comprising: image data inputting means (figure 1, receiving unit 2 of printer) for inputting image data (see abstract); image data storing means (see figure 2, elements ROM 22, RAM 23) for storing the image data inputted by the image data inputting means (see abstract, figure 2, column 3, line 54-column 4, line 55); image data processing means (see CPU 21, figure 2) for processing the image data stored in the image data storing means (see abstract, column 3, line 54-column 4, line 55); and image data invalidating means (i.e. erasure unit 6, fig. 1) for performing invalidation of the image data (i.e. erasure of image data) stored in the image data storing means (see abstract, column 3, line 54-column 4, line 55).

Koakutsu fails to explicitly disclose the image processing device further comprising: directing means for directing suspension of the invalidation performed by the image data invalidating means while the invalidation is being performed; and permitting means for permitting the suspension of the invalidation being performed, in response to a request of the suspension of the invalidation by the directing means.

However, Tokukaihei teaches directing means for directing suspension (stopping) of the invalidation (deletion) performed by the image data invalidating means (see figures 1-2) while the invalidation is being performed (see abstract, see figure 4, paragraphs 51-56, note that the request for stopping the deletion is made while the deletion process, S402-S404, is being performed in a repetitive manner). Tokukaihei

further teaches permitting means for permitting the suspension of the invalidation being performed, in response to a request of the suspension of the invalidation by the directing means (see abstract, figure 4, paragraph 51-56, note that the deletion will be stopped in response to the request for stopping the deletion is made by the directing means, hence the request is being permitted, plus, request for stopping the deletion is made while the deletion process, S402-S404, is being performed in a repetitive manner). Tokukaihei further teaches a user (see paragraph 57) who requests the suspension of the invalidation (see paragraphs 51-57), wherein the invalidation being performed cannot be suspended unless approved by the user requesting the suspension (see paragraphs 51-57, note the request for stopping the deletion is made by the user thus it is apparent that user approves or agrees to it), and thus allowing urgent data processing of a new job to be carried out (see paragraphs 51-57).

Koakutsu further fails to disclose that request of the suspension of the invalidation is permitted after a predetermined code is inputted to confirm that a user who requested the suspension of the invalidation is a certified user, wherein the invalidation being performed cannot be suspended unless approved by the certified user by entry of the predetermined code, thus maintaining a security level.

However, Ikegami teaches permitting a invalidation (S195, fig. 19), in response to a request of the invalidation (delete) by directing means (by pressing delete key), after a predetermined code (password) is inputted to confirm that a user who requested the invalidation (delete) is a certified user (authorized user) (see abstract and figure 19 with text), wherein the invalidation cannot be performed unless approved by the certified

user by entry of the predetermined code (see figure 19 with text), thus maintaining a security level (see abstract; figure 19; column 15, lines 30-38).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention to modify the printing apparatus as disclosed by Koakutsu to include image processing method as taught by Tokukaihei (Inoue Rieko), and image processing techniques with added security as taught by Ikegami such that when user would like to suspend the deletion process being performed (in progress) (as taught by Tokukaihei), a correct password entry would be required (as taught by Ikegami for deletion process) in order to add further security to deletion process for the benefit of attaining satisfactory security for the image data stored in the memory as taught by Tokukaihei in abstract, and having a system in which "an individual other than a legitimate user is not allowed to perform maintenance on this personal box even if the personal box is one for which a password is not necessary when printing data from the box" as taught by Ikegami at column 1, lines 59-67.

Therefore, it would have been obvious to combine the teachings of Koakutsu, Tokukaihei (Rieko), and Ikegami to obtain the invention as specified in claim 1.

Re claim 2, Koakutsu fails to explicitly disclose the image data invalidating means continues the invalidation until the suspension of the invalidation is permitted.

However, Tokukaihei teaches the image data invalidating (i.e. deleting) means continues the invalidation (i.e. deletion) until the suspension (i.e. stopping) of the invalidation (i.e. deletion) is permitted (see paragraph 55, note that the deletion will be

stopped once the request for stopping the deletion is made, hence the request is being permitted).

Re claim 3, Koakutsu fails to disclose the permitting means permits the suspension of the invalidation after obtaining approval by an administrator who administrates the image processing device.

Tokukaihei further teaches permitting means for permitting the suspension of the invalidation being performed, in response to a request of the suspension of the invalidation by the user (see abstract, paragraphs 51-56 and discussion of claim 1 above).

Ikegami teaches permitting a invalidation (S195, fig. 19) after obtaining approval (i.e. correct password) by an administrator (i.e. user) who administrates the image-processing device (figure 6 shows image processing device) (see figure 19 with text).

Re claim 4, Koakutsu fails to disclose the permitting means permits the suspension of the invalidation by input of a key operator code.

Tokukaihei further teaches permitting means for permitting the suspension of the invalidation being performed, in response to a request of the suspension of the invalidation by the user (see abstract, paragraphs 51-56 and discussion of claim 1 above).

Ikegami teaches permitting a invalidation (S195, fig. 19) by input of a key operator code (i.e. correct password) (see figure 19 with text; abstract) (see figure 16 for password input).

Re claim 5, claim 5 recites identical features, as claim 1, except claim 5 is a method claim. Thus, arguments made for claim 1 are applicable for claim 5.

Re claim 6, Koakutsu fails to disclose the identification of the user who made the request of the invalidation is carried out by input of a key operator code.

However, Ikegami teaches the identification of the user (whether user is authorized or not) who made the request of the invalidation is carried out by input of a key operator code (i.e. password) (see figure 19 with text; abstract) (see also figure 16 for password input; column 15, lines 30-38).

3. Claims 7-8 are rejected under 35 U.S.C. 103 as being unpatentable over Koakutsu et al., US 6,285,459 in view of Inoue Rieko et al. (referred as Tokukaihei in this document), JP 09-284572 further in view of Ikegami, US 6,745,334 further in view of well known art.

Re claim 7, Neilsen further teaches a display (element 20, fig. 4a) indicating that the printing of the image data is in progress (see fig. 4a with text). Neilsen further teaches displaying of progress indicator can be performed or indicated for multiple actions or executing tasks (see title and abstract).

However, Official Notice is taken to note that ability to indicate invalidation (deletion) of the image data (deleting of data) in progress on the display is notoriously well known and commonly used in the art. It would have been obvious to display the indication of invalidation of image data (deletion of printing or any other data, for instance, see S94, figure 8) in progress just like in case of print job as shown in fig. 4a, as one of many executing tasks in the system of Neilsen for the benefit of providing the user with increased flexibility and options.

Re claim 8, claim 8 recites identical features, as claim 7, except claim 8 is a method claim. Thus, arguments made for claim 7 are applicable for claim 8.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Dan et al., US 7,230,731, see document for printing with password validation.

Neilsen teaches permitting means (see figure 11, element 138 or fig. 13, element 182) for permitting the suspension (cancel job, fig. 4a) of the print job being performed (see figures 4a & 13 with text) in response to a request of the suspension of the print job by directing means (cancel job button, fig. 4a), and thus allowing urgent data processing of a new job to be carried out (see figures 4a & 8-9 with text) (see also figures 13-14 with text).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAWANDEEP S. DHINGRA whose telephone number is (571)270-1231. The examiner can normally be reached on M-F, 9:30-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David K. Moore can be reached on (571) 272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/P. D./
Examiner, Art Unit 2625

/David K Moore/
Supervisory Patent Examiner, Art Unit 2625